

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Zhenan Bao

Serial No.: N/A

Filed: Herewith

For: ORGANIC FIELD EFFECT TRANSISTORS WITH
ACTIVE CHANNELS FORMED OF DENSIFIED LAYERS

Group No.: N/A

Examiner: N/A

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I hereby certify that this correspondence, including the attachments listed, is being deposited with the United States Postal Service, Express Mail - Post Office to Addressee, Receipt No. <u>EY3162662US</u> , in an envelope addressed to Commissioner for Patents, Alexandria, VA 22313, on the date shown below.		
<u>12-4-2003</u>	<u>Elizabeth Schumacher</u>	Date of Mailing Typed or printed name of person mailing
<u>Elizabeth Schumacher</u> Signature of person mailing		

INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. § 1.56, Applicant submits this statement.

This submittal is made in accordance with 37 C.F.R. §§ 1.97 and 1.98 and § 609 of the Manual of Patent Examining Procedure. The patents, publications and other information herein are listed below and on the attached Form PTO-1449. Copies of the listed references are submitted herewith.

U.S. Patent No.InventorDate

6,596,569 B1

Bao et al.

July 22, 2003

6,555,411 B1

Bao et al.

April 29, 2003

References:

Jan Genzer and Kirill Efimenko; "CREATING LONG LIVED SUPERHYDROPHOBIC POLYMER SURFACES THROUGH MECHANICALLY ASSEMBLED MONOLAYERS"; Science Vol 290, 15 December 2000; Pgs. 2130-2133.

J. Collet, S. Lenfant, D. Vuillaume; O. Bouloussa, F. Rondelez, J.M Gay, K. Kham and C. Chevrot; "HIGH ANISOTROPIC CONDUCTIVITY IN ORGANIC INSULATOR/SEMICONDUCTOR MONOLAYER HETEROSTRUCTURE"; 2000 American Institute of Physics; Applied Physics Letters, Vol 76, No 10, 6 March 2000; Pgs. 1339-1341.

X. Linda Chen, Andrew J. Lovinger, Zhenan Bao and Joyce Sapjeta; 'MORPHOLOGICAL AND TRANSISTOR STUDIES OF ORGANIC MOLECULAR SEMICONDUCTORS WITH ANISOTROPIC ELECTRICAL CHARACTERISTICS'; 2001 American Chemical Society, Chem. Mater. 2001, 13; Pgs. 1341-1348.

Guofeng Xu, Zhenan Bao and John T. Groves: "LANGMUIR-BLODGETT FILMS OF REGIOPOLY (3-HEXYLTHIOPHENE) AS FIELD-EFFECT TRANSISTORS"; 2000 American Chemical Society, Langmuir 2000, 16, Pgs. 1834-1841.

Karl R. Amundson, B. Joyce Sapjeta, Andrew J. Lovinger, Zhenan Bao; "AN IN-PLANE ANISTROPHIC ORGANIC SEMICONDUCTOR BASED UPON POLY (3-HEXYL THIOPHENE); Elsevier Science B.V., Thin Solid Films 414 (2002); Pgs. 143-149.

H. Sirringhaus, R.J. Wilson, R.H. Friend, M. Inbasekaran, W. Su, E.P. Woo, M. Grell and D.D.C. Bradley; "MOBILITY ENHANCEMENT IN CONJUGATED POLYMER FIELD-EFFECT TRANSISTORS THROUGH CHAIN ALIGNMENT IN A LIQUID CRYSTALLINE PHASE"; American Institute of Physics, Applied Physics Letters, Vol 77, No 3; 17 July 2000; Pgs. 406-408.

Raluca I. Gearba, Matthias Lehmann, Jeremy Levin, Dimitri A. Ivanov, Michel H. J. Koch, Joaquin Barbera, Michael G. Debije, Jorge Piris and Yves H. Geerts; "TAILORING DISCOTIC MESOPHASES: COLUMNAR ORDER ENFORCED WITH HYDROGEN BONDS"; Advanced Materials 2003, 15, No. 19, October 2; Pgs. 1614-1618.

Applicant hereby expressly reserves the right to swear behind the effective dates of any of the above Patents and to question the relevance and materiality of the Patents and Publications listed herein, in whole, in part, or in combination, subsequent to filing this Information Disclosure

Statement. The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 08-2395.

Respectfully submitted,

HITT GAINES, P.C.



Charles W. Gaines
Registration No. 36,804

Date: December 4, 2003

Hitt Gaines, P.C.
P.O. Box 832570
Richardson, Texas 75083
(972) 480-8800

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	N/A
Filing Date	Herewith
First Named Inventor	Zhenan Bao
Art Unit	N/A
Examiner Name	N/A
Attorney Docket Number	BAO

Sheet 1 of 2

Number BAO

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ²Applicant's unique citation designation number (optional). ³See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ⁴Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

2

Application Number	N/A
Filing Date	Herewith
First Named Inventor	Zhenan Bao
Art Unit	N/A
Examiner Name	N/A

Attorney Docket Number

BAO

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Jan Genzer and Kirill Efimenko; "CREATING LONG LIVED SUPERHYDROPHOBIC POLYMER SURFACES THROUGH MECHANICALLY ASSEMBLED MONOLAYERS"; Science Vol 290, 15 December 2000; Pgs. 2130-2133.	
		J. Collet, S. Lenfant, D. Vuillaume, O. Bouloussa, F. Rondelez, J.M Gay, K. Kham and C. Chevrot; "HIGH ANISOTROPIC CONDUCTIVITY IN ORGANIC INSULATOR/SEMICONDUCTOR MONOLAYER HETEROSTRUCTURE"; 2000 American Institute of Physics; Applied Physics Letters, Vol 76, No 10, 6 March 2000; Pgs. 1339-1341.	
		X. Linda Chen, Andrew J. Lovinger, Zhenan Bao and Joyce Sapieta; 'MORPHOLOGICAL AND TRANSISTOR STUDIES OF ORGANIC MOLECULAR SEMICONDUCTORS WITH ANISOTROPIC ELECTRICAL CHARACTERISTICS'; 2001 American Chemical Society, Chem. Mater. 2001, 13; Pgs. 1341-1348.	
		Guofeng Xu, Zhenan Bao and John T. Groves; "LANGMUIR-BLODGETT FILMS OF REGIOREGULAR POLY (3-HEXYL THIOPHENE) AS FIELD-EFFECT TRANSISTORS"; 2000 American Chemical Society, Langmuir 2000, 16, Pgs. 1834-1841.	
		Karl R. Amundson, B. Joyce Sapieta, Andrew J. Lovinger, Zhenan Bao; "AN IN-PLANE ANISTROPHIC ORGANIC SEMICONDUCTOR BASED UPON POLY (3-HEXYL THIOPHENE); Elsevier Science B.V., Thin Solid Films 414 (2002); Pgs. 143-149.	
		H. Sirringhaus, R.J. Wilson, R.H. Friend, M. Inbasekaran, W. Su, E.P. Woo, M. Grell and D.D.C. Bradley; "MOBILITY ENHANCEMENT IN CONJUGATED POLYMER FIELD-EFFECT TRANSISTORS THROUGH CHAIN ALIGNMENT IN A LIQUID CRYSTALLINE PHASE"; American Institute of Physics, Applied Physics Letters, Vol 77, No 3, 17 July 2000; Pgs. 406-408.	
		Raluca I. Gearba, Matthias Lehmann, Jeremy Levin, Dimitri A. Ivanov, Michel H. J. Koch, Joaquin Barbera, Michael G. Debije, Jorge Piris and Yves H. Geerts; "TAILORING DISCOTIC MESOPHASES: COLUMNAR ORDER ENFORCED WITH HYDROGEN BONDS"; Advanced Materials 2003, 15, No. 19, October 2; Pgs. 1614-1618.	

Examiner Signature	Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.